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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

Group Art Unit:

JONATHAN HUGHES ET AL.

Examiner:

INTERNATIONAL APPLICATION NO. PCT/EP 05/000520

FILED: January 20, 2005

FOR: PRODUCTION OF A FERMENTATION  
PRODUCT

U.S. APPLICATION NO: 10/587,583

35 USC 371 DATE: JULY 28, 3006

Commissioner for Patents

P.O. Box 1450

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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 CFR 1.56, Applicants wish to call the Examiner's attention to the references cited on the attached form PTO-1449. A copy of the International Search Report was supplied, when this application entered the U.S. national phase.

US 2005/0233031 and US 2006/0057264 are substantively cumulative English language counterparts of WO 2004/015145 and WO 2004/015121.

Copies of the non-U.S. references (that do not have U.S. equivalents) and/or English language abstracts thereof and any articles/journals are enclosed herewith along with a copy of a Great Britain Search Report.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

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Reg. No. 56,221

Ciba Specialty Chemicals Corporation  
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PTO 1449 form (6 refs & 1 S. Report)

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Docket Number (Optional) WW/3-22352/A/PCT	Application Number 10/587,583
		Applicant JONATHAN HUGHES ET AL.	
		Filing Date JULY 28, 2006	Group Art Unit

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,552,316	9/96	Savage	435	261	
	6,217,778	4/01	Shing et al.	210	708	
	2006/0233031	10/05	Hughes	426	52	
	2006/0057264	3/06	Hughes et al.	426	495	
	6,372,805	4/02	Keiser et al.	516	79	
	4,753,710	6/88	Langley et al.	162	164.3	
	4,961,825	10/90	Andersson et al.	162	175	
	4,528,321	7/85	Allen et al.	524	761	
	5,482,693	1/96	Rushmere et al.	423	328.1	
	5,176,891	1/93	Rushmere	423	328.1	
	5,068,418	11/91	Kulprathipanja et al.	562	580	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	2004/015145	2/04	PCT/World			U.S.=	
	2004/015121	2/04	PCT/World			U.S.=	
	2004/051521	2/04	PCT/World			U.S.=	
	0 335 575	10/89	Europe				
	53/058002	11/76	Japan			Abst.	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

A. Wilkie et al.; Biomass & Bioenergy, Vol. 19 (2000) pp. 63-102
National Renewable Energy Laboratory Report, July 1999, NREL/TP-580-26157
National Renewable Energy Laboratory Report, March 2001, 99-10600/14

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Docket Number (Optional) WW/3-22352/A/PCT	Application Number 10/587,583
		Applicant JONATHAN HUGHES ET AL.	
		Filing Date JULY 28, 3006	Group Art Unit

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,506,062	3/85	Flesher et al.	526	211	
	4,599,379	7/86	Flesher et al.	524	801	
	4,720,346	1/88	Flesher et al.	210	734	
	4,973,842	11/90	Gruen et al.	250	309	
	4,952,503	8/90	Granstedt	435	161	
	4,384,897	5/83	Brink	127	37	
	5,552,316	9/96	Savage	435	261	
	4,728,613	3/88	Brewer et al.	435	222	
	4,650,689	3/87	Hedrick	426	600	
	5,975,439	11/99	Chieffalo et al.	241	17	
	4,388,150	6/83	Sunden et al.	162	175	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	Derwent Abstract No. 1978-48300A[27] of JP 53058002 (6/04)

EXAMINER	DATE CONSIDERED
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